

Register No.:

780

April 2024

Time – Three hours
(Maximum Marks: 100)

- [N.B. 1. Answer all questions under Part-A. Each question carries 3 marks.
2. Answer all the questions either (A) or (B) in Part-B. Each question carries 14 marks.]

PART – A

1. What are the movements at the workplace?
2. What is PQS?
3. Write the various types of lathe.
4. List out the benefits of good guarding system.
5. What is colour coding?
6. Write about personal protective equipment.
7. What is the safety in hot working metals?
8. What is point of operation?
9. Write about the safety in Radiography.
10. What is steam testing?

[Turn over.....

PART - B

11. (a) Explain the basic work procedure of safety and method study.
(Or)
(b) List out the applications of ergonomic principles in the shop floor.
12. (a) Explain the various types of machine guarding.
(Or)
(b) Define ZMS. List out the policies for ZMS.
13. (a) Write short notes on (i) oxygen cutting (ii) arc welding (iii) arc cutting. (5+5+4)
(Or)
(b) Discuss about the storing and handling of gas cylinders.
14. (a) Write about the following (i) safe guarding (ii) auxiliary mechanism (iii) feeding and cutting mechanism. (5+5+4)
(Or)
(b) Explain about foundry production, cleaning and finishing of foundry processes.
15. (a) Explain about heat treatment operations.
(Or)
(b) Explain the health and welfare measures in engineering industry.
